

CLAIMS

1. An accuracy measurement apparatus that measures accuracy of a channel quality report value generated by
5 a communication apparatus, said accuracy measurement apparatus comprising:

a transmitting section that transmits a predetermined signal to said communication apparatus for a fixed period;

10 a decision section that decides upon a channel quality corresponding to one report value among report values generated by said communication apparatus for a transmitted predetermined signal as a fixed channel quality;

15 a calculation section that calculates an error rate of an accuracy measurement signal transmitted at a transmission rate in accordance with a decided fixed channel quality, the error rate being corresponding to a report value generated by said communication apparatus
20 for this accuracy measurement signal; and

a determination section that determines accuracy of a report value generated by said communication apparatus for said accuracy measurement signal using a calculated error rate.

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2. The accuracy measurement apparatus according to claim 1, wherein said decision section decides upon a channel quality corresponding to a report value generated

most frequently among said report values generated by said communication apparatus for a transmitted predetermined signal as a fixed channel quality.

5 3. The accuracy measurement apparatus according to claim 1, wherein said decision section decides upon a channel quality corresponding to a median value obtained by means of statistical processing among said report values generated by said communication apparatus for a
10 transmitted predetermined signal as a fixed channel quality.

4. The accuracy measurement apparatus according to claim 1, wherein said determination section determines
15 report value accuracy using an error rate of an accuracy measurement signal corresponding to a report value of channel quality equal to said fixed channel quality, an error rate of an accuracy measurement signal corresponding to a report value of channel quality
20 exceeding said fixed channel quality, and an error rate of an accuracy measurement signal corresponding to a report value of channel quality lower than said fixed channel quality.

25 5. The accuracy measurement apparatus according to claim 1, wherein said determination section determines that report value accuracy is appropriate when an error rate of an accuracy measurement signal corresponding to

a report value of channel quality equal to said fixed channel quality is less than or equal to a first threshold value, an error rate of an accuracy measurement signal corresponding to a report value of channel quality
5 exceeding said fixed channel quality is less than or equal to a second threshold value, and an error rate of an accuracy measurement signal corresponding to a report value of channel quality lower than said fixed channel quality is greater than or equal to a third threshold
10 value.

6. The accuracy measurement apparatus according to claim 1, wherein said transmitting section transmits a predetermined signal using a channel model in which a
15 propagation environment varies from moment to moment.

7. The accuracy measurement apparatus according to claim 1, wherein said calculation section includes a receiving section that receives Ack/Nack indicating
20 whether or not said accuracy measurement signal has been received correctly by said communication apparatus, and calculates an error rate of said accuracy measurement signal using a received Ack/Nack.

25 8. A base station apparatus that has the accuracy measurement apparatus according to claim 1.

9. A communication terminal apparatus that has the

accuracy measurement apparatus according to claim 1.

10. A communication terminal apparatus comprising:

5 a receiving section that receives a signal
transmitted from a communicating station at a fixed
transmission rate;

an acquisition section that acquires channel
quality indicating a propagation environment between said
communicating station and said communication terminal
10 apparatus using said received signal;

a reporting section that reports a report value of
obtained channel quality to said communicating station;

a calculation section that calculates an error rate
of corresponding said received signal corresponding to
15 each said report value; and

a storage section that stores said report value and
said error rate which are corresponding to each other.

11. An accuracy measurement method that measures

20 accuracy of a channel quality report value generated by
a communication apparatus, said accuracy measurement
method comprising:

a step of transmitting a predetermined signal to
said communication apparatus for a fixed period;

25 a step of deciding upon a channel quality
corresponding to one report value among report values
generated by said communication apparatus for a
transmitted predetermined signal as a fixed channel

quality;

a step of transmitting an accuracy measurement signal to said communication apparatus at a transmission rate corresponding to a decided fixed channel quality;

5 a step of calculating an error rate for said accuracy measurement signal transmitted, the error rate being corresponding to a report value generated by said communication apparatus for this accuracy measurement signal; and

10 a step of determining accuracy of a report value generated by said communication apparatus for said accuracy measurement signal using a calculated error rate.